Index of Claims

| | trol No. |
|--|----------|
| | |
| | |
| | |
| | |

10/722,218

Examiner

Phat X. Cao

Applicant(s)/Patent under Reexamination

CHENG ET AL.

Art Unit

2814

| √ | Rejected |
|----------|----------|
| = | Allowed |

| _ | (Through numeral) Cancelled |
|---|--------------------------------|
| ÷ | Restricted |

| N | Non-Elected |
|---|--------------|
| _ | Interference |

| A | Appeal |
|---|----------|
| o | Objected |

| | | _ | _ | | | | • | | | | | | | | | | | | | | | _ |
|----------|----------|---------|----------|--|--|--------------|--|--------------|--|----------|---|----------|----------|--------------|----------|----------|----------|--|------------|----------|--|---|
| Cla | im | | | | ī | Date | 9 | | | | | Cla | aim | | | | [| Date | 9 | | | |
| Final | Original | 10/3/05 | | i | | | | | | | | Final | Original | | | | | | | | | |
| | 1 | 1 | ┢ | _ | | \vdash | | - | | <u> </u> | İ | | 51 | \Box | | _ | | \vdash | | | | T |
| | 2 | 1 | | \vdash | | | | | | | l | | 52 | П | | _ | | Г | | | | T |
| | 3 | 1 | | | | Г | | | | | 1 | | 53 | П | | | | Г | | | | |
| | 4 | V | | | | | | | | | | | 54 | | | | | | | | | |
| | 5 | 1 | | | | | | | | | | | 55 | | | | | | | | | |
| | 6 | 1 | | | | | | _ | | | | | 56 | Ш | | | | | | | | L |
| <u></u> | 7 | 1 | | _ | _ | _ | | | <u> </u> | ļ | | | 57 | Ш | | | | | <u> </u> | | <u>L</u> | L |
| | 8 | V | | <u> </u> | _ | Ш | <u> </u> | _ | <u> </u> | | | | 58 | Ц | | | | _ | lacksquare | | | L |
| <u></u> | 9 | V | | | _ | _ | | | | _ | | | 59 | | | | <u> </u> | | | | <u> </u> | L |
| | 10 | 1 | | - | 1 | <u> </u> | <u> </u> | | <u> </u> | - | | | 60 | \sqcup | | | <u> </u> | <u> </u> | | | ļ | ┞ |
| | 11 | 1 | | _ | | <u> </u> | <u> </u> | <u> </u> | | <u> </u> | | | 61 | - | | | | - | | | _ | ╀ |
| - | 12 | 1 | - | | | - | _ | | _ | - | | | 62 | \vdash | _ | | - | - | H | | - | ╀ |
| | 13 | 1 | - | ├ | | | - | \vdash | ┝ | ⊢ | | | 63 64 | | | | H | | H | _ | _ | ┞ |
| <u> </u> | 14 | 1 | ⊢ | ├- | | - | | \vdash | \vdash | \vdash | | | 65 | | | | _ | | | _ | | ╀ |
| - | 16 | 1 | ├— | ⊢ | - | - | - | ┡ | - | - | ł | | 66 | \vdash | | | - | - | ├- | - | | ╀ |
| | 17 | 1 | - | | ├— | ⊢ | ├ | ┝ | | \vdash | } | | 67 | | | | | - | | | _ | H |
| | 18 | 1 | \vdash | ╁ | ├ | ⊢ | ├ | | - | | ł | | 68 | H | - | | | ⊢ | H | _ | | H |
| <u> </u> | 19 | 1 | | - | ├- | ├ | ⊢ | ├ | ┢ | - | ł | - | 69 | ╁ | | _ | \vdash | ├ | - | _ | _ | ╁ |
| - | 20 | Ť | ⊢ | ╁╌ | \vdash | ╁ | ╁ | ├ | | | 1 | | 70 | \vdash | | | - | ╁┈ | \vdash | - | - | H |
| \vdash | 21 | 1 | - | ╁ | ┢ | ┢ | ┢ | - | | | 1 | | 71 | - | _ | _ | \vdash | ╁ | \vdash | ┢╾ | ┢ | t |
| - | 22 | V | - | | \vdash | ┢ | <u> </u> | ╫ | | | ł | | 72 | \vdash | _ | _ | ╁ | | | | _ | t |
| | 23 | 1 | \vdash | \vdash | ├─ | ╁ | t | | | | 1 | <u> </u> | 73 | Н | | | - | \vdash | | _ | - | t |
| | 24 | V | ├ | - | 1 | - | H | ┢ | Ė | İ | ĺ | <u> </u> | 74 | \Box | | _ | | | | | \vdash | t |
| <u> </u> | 25 | V | | ┢ | 一 | \vdash | | 1 | | | 1 | | 75 | Н | | | ┢ | T | | · · · · | ✝ | t |
| | 26 | V | ╁ | ┼ | ╁ | ╁ | H | \vdash | ┰ | - | 1 | | 76 | Н | | | \vdash | | | | | t |
| | 27 | Ì | \vdash | ╁ | t | m | t | <u> </u> | | - | 1 | | 77 | Н | | | \vdash | 1 | \vdash | | \vdash | t |
| | 28 | 1 | | ┢ | t | t | t | T | <u> </u> | <u> </u> | i | _ | 78 | Н | _ | | | ┢ | | | T | t |
| | 29 | 1 | _ | \vdash | | † | t | <u> </u> | ı | t | 1 | | 79 | | | | | | Г | | | T |
| | 30 | V | | | | | | | | | 1 | | 80 | | | | | П | | | Г | T |
| | 31 | 1 | Г | | | | | | Ī | | 1 | | 81 | | | | | | | | | Γ |
| | 32 | 1 | | | | | | | | |] | | 82 | | | | | | | | | Γ |
| | 33 | 1 | | | | | | | | |] | | 83 | | | | L. | | | | Ľ | L |
| | 34 | 1 | | | | | | | | _ | | <u></u> | 84 | Ш | | | L | <u> </u> | L | <u> </u> | | L |
| | 35 | V | | L. | | | <u> </u> | <u> </u> | | L | 1 | | 85 | Ш | | _ | L | | <u> </u> | <u> </u> | <u> </u> | L |
| | 36 | 1 | | <u> </u> | \perp | | 1 | _ | L | _ | 1 | ļ | 86 | Ш | | _ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | \vdash | L |
| | 37 | V | <u> </u> | ! | ļ | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | 1 | <u> </u> | 87 | \sqcup | | <u> </u> | <u> </u> | ┡ | <u> </u> | <u> </u> | ⊢ | Ļ |
| | 38 | 1 | <u> </u> | <u> </u> | — | <u> </u> | ऻ_ | 1_ | <u> </u> | | - | <u> </u> | 88 | Ш | | <u> </u> | ! | ₩ | ऻ | <u> </u> | <u> </u> | L |
| | 39 | 1 | <u> </u> | 1 | _ | ! | | ₩ | L | ┡ | 1 | <u> </u> | 89 | Н | | _ | ₩ | ـــ | ├ | <u> </u> | ⊢ | l |
| <u> </u> | 40 | 1 | ├ | 1 | ₩ | 1 | ₩ | | ⊢- | ├— | - | <u> </u> | 90 | \vdash | | <u> </u> | ├- | ₩ | ├- | 1— | | ╀ |
| | 41 | | ├ | ╁ | ├- | - | 1 | | ├- | | 1 | | 91 | H | | - | <u> </u> | ₩ | ⊢ | ⊢ | ┝ | ╀ |
| - | 42 | 1 | - | - | - | - | 1 | ├ | - | ├ | - | | 92 93 | - | | _ | ├ | ├ | ⊢ | | ┢ | ╀ |
| - | 43 | 1 | \vdash | \vdash | ├ | +- | \vdash | \vdash | \vdash | ┢ | 1 | | 93 | \vdash | | - | ⊢ | \vdash | \vdash | ├─ | ├ | + |
| | 45 | 1 | - | ╁ | ╁ | | ├ | ⊢ | ┼- | ⊢ | ┨ | | 95 | \vdash | _ | - | ╁ | \vdash | \vdash | ├- | \vdash | + |
| - | 46 | 1 | \vdash | + | - | + | \vdash | + | \vdash | + | ┨ | | 96 | \vdash | _ | - | ╁ | ╁ | +- | H | ╁ | t |
| | 47 | 1 | + | +- | +- | \vdash | ╆ | +- | | ┢ | 1 | - | 97 | \vdash | | \vdash | 1 | \vdash | ╁ | \vdash | | t |
| - | 48 | 1 | + | + | \vdash | +- | +- | + | \vdash | \vdash | 1 | | 98 | +- | _ | \vdash | +- | \vdash | + | - | \vdash | t |
| | 49 | 1 | \vdash | \vdash | - | \vdash | \vdash | + | ╁╌ | ╁ | 1 | — | 99 | | _ | ┢ | t | t | 1 | \vdash | t | t |
| \vdash | 50 | ΤĖ | 1 | t^{-} | T | +- | | \vdash | \vdash | t^{-} | 1 | — | 100 | Н | \vdash | \vdash | † | \vdash | T | 1 | | t |
| L | , 50 | Щ. | Ь | | | - | | 1 | Ь | | 1 | | 1.00 | | | L | 1 | ٠ | | ٠ | ـــــــ | _ |

| Cla | im | | | | Е | ate |) | | | |
|----------|----------|----------|----------|----------|----------|----------|-------------------------------------|----------|----------|--|
| | | | | | | | | | | |
| Final | Original | | | | | | | | | |
| | 51 | | | | | | | | | |
| | 52 | | ļ | | | | - 1 | | | |
| | 53 | П | | | | | | | | |
| | 54 | | \neg | | | | | | | |
| 1 | 55 | \dashv | \neg | | | _ | _ | | | _ |
| - | 56 | \dashv | | - | - | \dashv | - | | - | _ |
| \vdash | 57 | \dashv | \dashv | \dashv | | - | | | - | |
| | 58 | \dashv | \dashv | | \dashv | | | - | - | |
| | | - | | | | - | - | | _ | |
| | 59 | | | | - | | | _ | _ | - |
| \vdash | 60 | _ | | | - | | | | | |
| <u> </u> | 61 | - | _ | _ | | | | _ | | |
| — | 62 | _ | | | \Box | | \Box | | | |
| | 63 | | | | | | _ | _ | | |
| - | 64 | | | | Щ | | | | | _ |
| | 65 | _ | | | | | | | | |
| | 66 | | | | | | | | | |
| ļ | 67 | | | | | \Box | Ш | | | _ |
| | 68 | | | | | _ | _ | _ | | |
| ļ | 69 | | | | | | | | | |
| | 70 | | _ | | | | | | | _ |
| | 71 | | | | | | | | | - |
| | 72 | | | | | | | | | |
| ļ | 73 | | | | | | | | - | |
| | 74 75 | \vdash | | | | | | | | |
| | 76 | | | | \vdash | | \vdash | _ | - | |
| | 76 77 | | | | - | | - | | | |
| - | 78 | - | _ | _ | | | _ | | \vdash | |
| | 79 | | | | - | | _ | | _ | |
| | 80 | _ | | | | _ | | | | |
| | 81 | | \neg | | | | | | <u> </u> | |
| | 81 82 | _ | | _ | Н | _ | - | | | |
| | 83 | | | | \vdash | \vdash | \vdash | | <u> </u> | _ |
| - | 84 | | | | \vdash | Н | | | | \vdash |
| <u> </u> | 85 | | | - | | | | _ | | \vdash |
| | 86 | | \vdash | _ | | П | | _ | \vdash | \vdash |
| | 87 | П | | | | | | | Г | \vdash |
| | 88 | | | | | П | \Box | | | |
| | 89 | | | | | | | | | |
| | 90 | | | | | | | | | |
| | 91 | | | | | | | | | |
| | 92 | | | | | | | | | |
| | 93 | | | | | | | | | |
| | 94 | L | _ | <u> </u> | <u> </u> | <u> </u> | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | | <u> </u> | <u> </u> |
| | 95 | | _ | L. | <u> </u> | <u> </u> | <u>L</u> | <u> </u> | <u> </u> | |
| | 96 | | | _ | _ | | | <u> </u> | | L |
| | 97 | <u> </u> | _ | <u> </u> | <u> </u> | \vdash | <u> </u> | <u> </u> | <u> </u> | ļ |
| | 98 | | _ | <u> </u> | <u> </u> | _ | | _ | <u> </u> | ├- |
| | 99 | L | <u> </u> | <u> </u> | | \vdash | <u> </u> | <u> </u> | <u> </u> | - |
| | . 741/1 | | | | | | | | | |

| Te E E E E E E E E E | Cla | aim | _ | | | | ate | | | | |
|---|-------------|----------|--|--|----------|--|--------------|---|--------------|--|----------------|
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | | | | | | | | |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | - | la la | | | | | - | | | | |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | ≝ | :E | | | | | | | | | |
| 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 4 | ิดั | | | | | | | | | |
| 103 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | | | | | | | | | | l |
| 103 104 105 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 101 | | | | | | | | | |
| 103 | | 102 | | | | | | | | | |
| 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | - | 103 | | | | | | | - | | |
| 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | 1 | 103 | _ | | | | \dashv | | \vdash | | |
| 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | \perp | 104 | | | | | | | | | |
| 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 105 | | | | | | | | | |
| 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 106 | | | | | | | | | |
| 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 107 | | | | | | | | | |
| 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 108 | | | | | | | | - | |
| 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 109 | | | | | | | _ | | |
| 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | - | 110 | _ | - | _ | - | | \vdash | - | | |
| 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 110 | _ | \vdash | | | | | — | | _ |
| 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 111 | | _ | | _ | | | | | |
| 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 112 | | L., | | | | ' | L_ | | |
| 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 113 | | | | | L_ | | | | |
| 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 114 | | | | | | | | | |
| 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 115 | _ | т | | | | | | Т | Г |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 116 | - | - | | Н | - | | Н | - | Н |
| 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 110 | - | | | | _ | | - | _ | - |
| 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 117 | | | | Ш | | | _ | _ | <u> </u> |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 142 143 144 145 146 147 148 149 | | 118 | L | | | | | | | | <u> </u> |
| 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 119 | | | | | | | | | l |
| 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 120 | | | | | | | | | |
| 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 121 | \vdash | | | | | | | | |
| 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | - | 122 | | \vdash | _ | _ | | \vdash | | | - |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 122 | - | \vdash | | _ | <u> </u> | ┝┈ | | | ┝ |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 123 | | | | <u> </u> | <u> </u> | ļ | ! | _ | <u> </u> |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 124 | | | | _ | | \Box | L | | |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 125 | | | | | | | | | |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 126 | | | | | | | | | |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | — | 127 | | | | | | | | | |
| 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | | 128 | - | | | | \vdash | \vdash | | | \vdash |
| 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 120 | - | H | | \vdash | | - | - | - | \vdash |
| 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 | <u> </u> | 129 | | _ | | ├- | ļ | - | ├— | | — |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | <u> </u> | 130 | _ | | _ | <u> </u> | <u> </u> | <u> </u> | L_ | _ | _ |
| 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 131 | | | | | | | | | |
| 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 132 | | | | | | | | | |
| 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 | | 133 | | | | | | Γ | | | Ĭ . |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 | - | 134 | | | | | | _ | Т | Т | · · · · · |
| 136 137 138 139 140 141 142 143 144 145 146 147 148 | - | 125 | ┢ | | | - | \vdash | \vdash | \vdash | \vdash | \vdash |
| 137 138 139 140 141 142 143 144 145 146 147 148 | | 133 | \vdash | - | - | | - | | - | \vdash | \vdash |
| 139 140 141 142 143 144 145 146 147 148 149 | | 136 | — | <u> </u> | <u> </u> | _ | <u> </u> | <u> </u> | ⊢ | <u> </u> | <u> </u> |
| 139 140 141 142 143 144 145 146 147 148 149 | | 137 | | <u>L</u> . | | | | <u> </u> | L | _ | <u> </u> |
| 139 140 141 142 143 144 145 146 147 148 149 | | 138 | L | L | L | | L | L | L | L | L |
| 140 141 142 143 144 145 146 147 148 149 | | 139 | | | | | | | Ī | | |
| 141 142 143 144 145 146 147 148 149 | | 140 | | | Ι- | Г | Г | | Г | 1 | |
| 142 143 144 145 146 147 148 149 | - | | \vdash | \vdash | \vdash | \vdash | \vdash | 1 | | - | \vdash |
| 143 144 145 146 147 148 149 | <u> </u> | | - | \vdash | \vdash | \vdash | \vdash | - | | ├- | \vdash |
| 144 145 146 147 148 149 | ļ | | _ | — | - | - | — | | ├— | | - |
| 145 146 147 148 149 | | | _ | L | <u></u> | <u> </u> | <u> </u> | | <u> </u> | Ц. | _ |
| 146 147 148 149 | L | | L | L | L | L | L | L | L | L | |
| 146 147 148 149 | | 145 | | | | | | | | Γ | |
| 147 148 149 | — | | \vdash | \vdash | T | \vdash | \vdash | | t - | 1 | |
| 148 | - | | \vdash | \vdash | Ι. | | - | \vdash | \vdash | | \vdash |
| 149 | - | 147 | - | - | H | \vdash | \vdash | - | - | - | \vdash |
| | - | | | _ | ⊢ | <u> </u> | | <u> </u> | — | ! | ⊢ |
| | L | | | | L | <u> </u> | L | $ldsymbol{ld}}}}}}$ | _ | | oxdot |
| 150 | | 150 | L | L | L | L | L | L | L | L | L |